PERFORMING OPERATIONS; TRANSPORTING

SHAPING

HAND CUTTING TOOLS; CUTTING; SEVERING

HAND-HELD CUTTING TOOLS NOT OTHERWISE PROVIDED FOR (for harvesting A01D; for horticulture, for forestry A01G; for butchering or meat treatment A22; for manufactering or repairing footwear A43D; nail clippers or cutters A45D 29/02; kitchen equipment A47J; { vegetable slicers, julienne cutters and similar devices and holders therefor, B26D 3/28); for surgical purposes A61B; for metal B23D; cutting by abrasive fluid jets B24C 5/02; plier-like tools with cutting edges B25B 7/22; pincers B25C 11/02; handles for hand implements, in general B25G; guillotine-type cutters B26D; { perforating by non-mechanical means, e.g. by fluid jet, B26F 1/26}; for erasing B43L 19/00; for textile materials D06H)

WARNING
In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

Hand knives

1/00 Hand knives with adjustable blade; Pocket knives (B26B 11/00 takes precedence)
1/02 . with pivoted blade
1/04 . . lockable in adjusted position
1/042 . . . {by a spring biased locking lever pivoting around an axis parallel to the pivot axis of the blade}
1/044 . . . {by a spring tongue snapping behind or into the tang of the blade from a side part of the handle}
1/046 . . . {with a locking member acting in axial direction parallel to the pivot axis of the blade}
1/048 . . . {with a locking member being slidable or movable along the handle}
1/06 . . with loosely-inserted spring
1/08 . with sliding blade {(with detachable blades B26B 5/001)}
1/10 . Handles

3/00 Hand knives with fixed blades {(handles, attaching the handles B25G)}
3/02 . Table-knives (B26B 9/02 takes precedence)
3/03 . specially adapted for cutting-off slices one by one
3/04 . for performing several incisions simultaneously;
Multiple-blade knives
3/06 . Scout or similar sheath knives (sheaths therefor B26B 29/02)
3/08 . specially adapted for cutting cardboard, or wall, floor, or like covering materials

5/00 Hand knives with one or more detachable blades
5/001 . (with blades being slid out of handle immediately prior to use)
5/002 . . . (segmented blades)
5/003 . . . (comprising retraction means for the blade or the blade holder)

7/00 Hand knives with reciprocating motor-driven blades
7/005 . . {specially adapted for cutting cardboard, or wall, floor or like covering materials}
7/006 . . {specially adapted for using razor blades as blades (B26B 5/001 takes precedence)}
7/007 . . {for cutting slices one by one}
7/008 . . {for performing several incisions simultaneously; for cutting cubes}

9/00 Blades for hand knives
9/02 . characterised by the shape of the cutting edge, e.g. wavy

11/00 Hand knives combined with other implements, e.g. with corkscrew, with scissors, with writing implement (combined table-ware A47G 21/06)
11/001 . . {of the Swiss-knife type}
11/003 . . {having folding handles}
11/005 . . {Handle also acting as a part of a scissors}
11/006 . . {Several functions combined in the blade}
11/008 . . {comprising electronic or electrical features, e.g. illuminating means, computing devices or sensors}

Hand shears; Scissors (for horticultural purposes A01G; bone shears A22C 17/06; metal shears B23D)

13/00 Hand shears; Scissors
13/005 . . {Pocket or folding scissors}
13/02 . . with moulded-in blades
13/04 . . with detachable blades
13/06 . . characterised by the shape of the blades
13/08 . . . with cutting edges wavy or toothed in the plane of the blade
13/10 . . . for producing wavy, zig-zag, or like cuts
13/12 . . . characterised by the shape of the handles
Hand shears; Scissors

13/14 . . without gripping bows in the handle
13/16 . . spring loaded, e.g. with provision for locking the blades or the handles
13/18 . . without joint, i.e. having blades interconnected by a resilient member
13/20 . . with gripping bows in the handle
13/22 . combined with auxiliary implements, e.g. with cigar cutter, with manicure instrument (cigar cutters per se A24F 13/24)
13/24 . . to aid hair cutting
13/26 . with intermediate links between the grips and the blades, e.g. for remote actuation
13/28 . Joints (B25B 7/06 takes precedence)
13/285 . [with means for applying pressure on the blades; with means for producing ‘drawing-cut’ effect]

15/00 Hand-held shears with motor-driven blades

17/00 Hand cutting tools, i.e. with the cutting action actuated by muscle power with two jaws which come into abutting contact (nail clippers or cutters A45D 29/02; joints therefor B25B 7/06)
17/003 . [manually operated tools specially adapted for separating nuts attached to each other, e.g. by rust (nut crackers A47J 43/26)]
17/006 . [having cutting edges parallel to a pivot axis]
17/02 . with jaws operated indirectly by the handles, e.g. through cams or toggle levers

19/00 Clippers or shavers operating with a plurality of cutting edges, e.g. hair clippers, dry shavers
19/02 . of the reciprocating-cutter type
19/04 . Cutting heads therefor; Cutters therefor; Securing equipment thereof
19/042 . . [Long hair cutters or older types comprising a cutting grid]
19/044 . . [Manufacture and assembly of cutter blocks]
19/046 . . [Cutters being movable in the cutting head]
19/048 . . [Complete cutting head being movable]
19/06 . . involving co-operating cutting elements both of which have shearing teeth
19/063 . . [Movable or adjustable cutting head]
19/066 . . [Manually operated]
19/08 . . of nippers type
19/10 . . involving two or more different types of reciprocating cutting elements, e.g. a pair of toothed shearing elements combined with a pair of perforated cutting elements or a combined toothed and perforated cutting assembly
19/102 . . . [with a secondary cutting unit being translated or slid into an operating position]
19/105 . . . [with a secondary cutting unit being rotated into an operating position]
19/107 . . . [with means for selectively engaging the drive for a fixed-position secondary currying unit]
19/12 . of the oscillating-cutter type; Cutting heads therefor; Cutters therefor (B26B 19/04 takes precedence)
19/14 . of the rotary-cutter type; Cutting heads therefor; Cutters therefor (B26B 19/04 takes precedence)
19/141 . . [Details of inner cutters having their axes of rotation perpendicular to the cutting surface]
19/143 . . [Details of outer cutters]
19/145 . . [Cutters being movable in the cutting head]
19/146 . . [Complete cutting head being movable]
19/148 . . [specially adapted for removing hair from inaccessible places, e.g. nostrils]
19/16 . involving a knife cylinder or a knife cone or separate cutting elements moved like a rotating cylinder or a rotating cone
19/18 . . in combination with a fixed razor-blade without shearing perforations
19/20 . with provision for shearing hair of presected or variable length
19/205 . . [by adjustment of the cutting members]
19/22 . with provision for thinning-out hair
19/24 . specially adapted for shearing animals, e.g. sheep
19/26 . of the type performing different methods of operation simultaneously, e.g. reciprocating and oscillating; of the type having two or more heads of differing mode of operation
19/265 . . [of the type having two or more heads of differing mode of operation]
19/28 . Drive layout for hair clippers or dry shavers, e.g. providing for electromotive drive (electric motors per se H02)
19/282 . . [Motors without a rotating central drive shaft, e.g. linear motors]
19/284 . . . [with an actuator oscillating about a pivot axis]
19/286 . . [providing for two or more different electrical power sources]
19/288 . . [Balance by opposing oscillation]
19/30 . . providing for muscle drive, e.g. by rolling over the skin
19/32 . . providing for mechanical drive, e.g. installation of a spring motor
19/34 . . providing for fluid drive
19/36 . . providing for remote drive by means of a flexible shaft; Transmission means therefor
19/38 . . Details of, or accessories for, hair clippers, or dry shavers, e.g. housings, casings, grips, guards (cutters, cutting heads B26B 19/04, B26B 19/12, B26B 19/14; cleaning or disinfecting devices A45D 27/46; dryers A45D 27/48; casings for electric apparatus in general H05K)
19/380 . . . [Accessories]
19/3813 . . . [Attachments]
19/382 . . . [Built-in accessories]
19/3826 . . . [Separate accessories]
19/3833 . . . [Storage and cleaning devices; Power cord storage]
19/384 . . . [Dry-shaver foils; Manufacture thereof]
19/3846 . . . [Blades; Cutters (B26B 19/04), B26B 19/141 take precedence]
19/3853 . . . [House or handle]
19/386 . . . [Means for attaching the head thereto]
19/3866 . . . . [Seals or dampers]
19/3873 . . . . [Electric features; Charging; Computing devices]
19/388 . . . . [Sensors; Control]
19/3886 . . . . [Actuating members, e.g. switches or control knobs]
19/3893 . . . . [Manufacturing of shavers or clippers or components thereof]
19/40 . . . Lubricating
19/42 . . . providing for straightening the hair to be cut, e.g. by means of bristles; providing for tensioning the skin, e.g. by means of rollers, ledges (skin-stretchers for shaving per se A45D 27/38)
Razors of the open or knife type; Safety razors or other shaving implements of the planing type; Hair-trimming devices involving a razor-blade; Equipment therefor

19/02 . . . involving unchangeable blades
19/04 . . . Razors of the knife type
19/06 . . . Safety razors with fixed blade, e.g. with moulded-in blade
19/08 . . . involving changeable blades
19/10 . . . Safety razors with one or more blades arranged longitudinally to the handle
19/12 . . . combined with combs or other means for hair trimming
19/125 . . . [Razor blades attached to ordinary combs]
19/14 . . . Safety razors with one or more blades arranged transversely to the handle
19/16 . . . involving blades with only one cutting edge (B26B 21/22 - B26B 21/38 take precedence)
19/165 . . . [with the blade moulded into, or attached to, a changeable unit]
19/18 . . . involving blades with two cutting edges (B26B 21/22 - B26B 21/38 take precedence)
19/185 . . . [with adjustable guard clearance; with variable angle of rake]
19/20 . . . involving blades with more than two cutting edges; involving disc blades (B26B 21/22 - B26B 21/38 take precedence)
19/22 . . . involving several blades to be used simultaneously
19/222 . . . [with the blades moulded into, or attached to, a changeable unit (B26B 21/4006 takes precedence)]
19/225 . . . [the changeable unit being resiliently mounted on the handle]
19/227 . . . [with blades being resiliently mounted in the changeable unit]
19/24 . . . of the magazine type; of the injector type (containers for storing razor-blades A45D 27/24)
19/26 . . . of the continuous ribbon type
19/28 . . . of the drawing cut type, i.e. with the cutting edge of the blade arranged obliquely [or curved] to the handle
19/30 . . . of the type carrying pivotally-mounted caps
19/32 . . . in razors involving double-edged blades
19/34 . . . of the type carrying rollers
19/36 . . . with provision for reciprocating the blade (reciprocating the cutting elements of clippers or dry shavers B26B 19/00)
19/38 . . . with provision for reciprocating the blade by means other than rollers (reciprocating the cutting elements of clippers or dry shavers B26B 19/00)
19/40 . . . Details or accessories
19/4006 . . . [Blades or blade units with discontinuous cutting edges, e.g. wire-wrapped, notches]
Hand shears; Scissors

27/002  .  [Tools using wires as cutting means]
27/005  .  [Carton openers]
27/007  .  [with handles specifically adapted to be attached to a human hand or finger, e.g. thimbles (for razors B26B 21/527)]

29/00  Guards or sheaths [or guides] for hand cutting tools; Arrangements for guiding hand cutting tools (guards for hair clippers or dry shavers B26B 19/38)

29/02  .  Guards or sheaths for knives
29/025  .  .  [Knife sheaths or scabbards]
29/04  .  Guards or sheaths for scissors, e.g. combined with manicuring appliances (manicuring implements per see A45D 29/00)
29/06  .  Arrangements for guiding hand cutting tools (guiding equipment or arrangements for specific cutting tools, see the particular places, e.g. for hair trimming devices A45D 24/36, for saw blades B27B 11/02, B26B 13/10)
29/063  .  .  [Food related applications]
29/066  .  .  [for slicing bread]